

IN THE ABSTRACT:

Please delete the existing Abstract and insert the following:

ABSTRACT

An electrical impedance tomography apparatus and method adapted to detect abnormalities, such as breast carcinomas, is disclosed. The method includes generating electrical signals at a plurality of frequencies, applying the electrical signals to the bodily matter using an electrode arrangement, detecting electrical impedance properties of the bodily matter and, using data processing means, correlating the electrical impedance properties with the presence or absence of abnormalities in the bodily matter using a fractal model of tissue impedance.

No new matter is being added through these amendments. Applicant respectfully requested entry of the above amendments.

Respectfully submitted,

Date: February 27, 2001

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